

CLAIMS

Sub B1 1. A handheld electronic device which is adapted to carry out at least one operation, characterized by

5 a registration device (14) for registering strokes when the device is moved;

10 interpretation means (16) for determining if the strokes comprises a command;

processor means (16) for carrying out an operation upon determination of said command.

2. A device according to claim 1, wherein said registration device is adapted to record the command electronically by detecting a position code (4) arranged on a writing surface (3), upon which the command is written.

Sub B2 3. A device according to claim 2, wherein said registration device comprises an optical sensor (14), which is adapted to record images of the writing surface (3), and a signal processor (16), which is adapted to use the position code (4) in the images for providing a digital representation of the command.

25 4. A device according to claim 3, wherein the signal processor (16) comprises a character interpretation function which is adapted to translate the digital representation of the command into character-coded format, such as ASCII-code.

5. A device according to claim 1, wherein, furthermore, the registration device is adapted to record a message information quantity, which is used in the operation, in essentially the same way as the command is recorded.

35 6. A device according to claim 5, wherein the registration device is adapted to record the information quantity by detecting a position code on a writing surface.

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7. A device according to claim 5 or 6, wherein the device has at least two modes, one being a command mode for recording the command and the other being an information mode for recording the message information quantity.

5 8. A device according to claim 7, wherein the device is adapted to assume the command mode when the user writes said predetermined command using the device.

Sub 10 9. A device according to claim 7, wherein the device is adapted to assume the command mode when the device detects that the writing surface (3) has a predetermined design.

10 10. A device according to claim 1, wherein the device comprises an accelerometer for electronic recording of the command. *B*

Sub 15 11. A device according to claim 1, wherein the recording device comprises an optical sensor for recording images with partially overlapping content and a signal processor which is adapted to determine how the device has been moved in connection with the writing of the command by determining the relative position of the images.

20 12. A device according to any one of the preceding claims, which device is a mobile telephone.

Sub 25 13. A device according to any one of claims 1-11, which device is a digital pen for electronic recording of information.

30 14. A device according to any one of the preceding claims, wherein only a detachable part of the device is used as a pen for writing the command for carrying out the operation, the detachable part being adapted for communication with the rest of the device.

15. A device according to any one of the preceding claims, wherein the device has a first and a second part which are separable and which have transceivers for mutual wireless communication, and wherein the device is controllable by the user using the first part as said

pen, by means of which the command for initiating the operation is written.

Sub B6 5 16. A software program, which is stored on a memory medium, which can be read by a computer and which comprises instructions for causing the computer to detect a command written by means of a handheld electronic device, which is used as a pen, and to initiate a predetermined operation in response to the command.

10 17. A method for initiating an operation in a handheld electronic device, characterized by the steps of using the device itself as a pen and writing a command symbol for carrying out said operation.

15 18. A method for controlling a handheld electronic device, according to any one of claims 1 - 15, the device being adapted to carry out at least one operation, characterized by

20 registering strokes when the device is moved; determining if the strokes comprises a command; carrying out an operation upon determination of said command.

25 19. A method according to claim 18, characterized by recording the command electronically by detecting a position code (4) arranged on a writing surface (3), upon which the command is written.

20. A method according to claim 19, characterized by registration by means of an optical sensor (14), which records images of the writing surface (3), and a signal processor (16), which uses the position code (4) in the images for providing a digital representation of the command.

30 21. A method according to claim 20, characterized by character interpretation for translating the digital representation of the command into character-coded format, such as ASCII-code.

35 22. A method according to claim 18, characterized by registering a message information quantity in essentially the same way as the command is recorded.

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23. A method according to claim 22, characterized by registering the message/information quantity by detecting a position code on a writing surface.

24. A method according to claim 23, wherein the device is adapted to assume the command mode when the user writes said predetermined command using the device.

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